

[Drive Mechanism for an Automatic Washer]

Abstract of Disclosure

A drive mechanism for a vertical axis automatic washer. The washer has a rotatable wash basket, a rotatable agitator concentrically mounted in the wash basket and a drive motor. The drive mechanism includes a first drive shaft driven by the motor at a first rotational speed and with a first torque. A second drive shaft is arranged to rotatably drive the agitator. A mechanism is arranged between the first drive shaft and the second drive shaft to convert the first rotational speed and the first torque to a second rotational speed and a second torque at the second drive shaft. A first clutch is arranged between the wash basket and the first drive shaft to allow for selective engagement and disengagement between the wash basket and the first drive shaft. A second clutch is arranged between the wash basket and the second drive shaft to allow for selective engagement and disengagement between the wash basket and the second drive shaft.

Figures